SPECS

PEAVEY ELECTRONICS

PVM™ 80
Unidirectional Neo-Dynamic™ Microphone
SPECIFICATIONS

Element Type:
Dynamic

Magnet Composition:
Neodymium iron boron

Polar Pattern:
Hypercardioid

Front to Back Rejection:
20 dB typical

Impedance:
Low (300 ohms, balanced)

Frequency Response:
50 to 16,000 Hz

Sensitivity:
Output Power Level:
-52 dB (0 dB = 1 mW/10 microbar*)
Open Circuit Voltage:
-68 dB (0 dB = 1 volt/dyne/cm²)

Case (Housing):
All metal

Finish:
Low gloss black

Windscreen:
Brazed steel mesh

Pop Filter:
Dual integral, open cell foam

Connector:
3-pin XLR type

Phasing:
Positive (inward) pressure on diaphragm produces positive voltage at pin #2

Weight:
14 oz. (400 grams)

Furnished Accessories:
Swivel adaptor, foam windscreen, and soft carrying pouch

*10 microbars = 1 pascal = 10 dynes/cm²

FEATURES

- Very high sensitivity and output
- New titanium laminated polymer diaphragm
- Low noise, natural vocal reproduction
- Improved shock mounting lowers handling noise and mic stand "rumble"
- Low gloss finish, all metal housing
- Rugged construction and field serviceable for road use
- Furnished accessories include external foam windscreen, swivel adaptor, and soft carrying pouch

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DESCRIPTION

The PVM™ 80 Neo-Dynamic™ is a unidirectional, dynamic microphone which relies on the latest in rare earth magnet technology to achieve maximum output sensitivity. The neodymium iron boron magnet provides much higher magnetic flux than traditional dynamic microphone designs, resulting in an output level usually expected only from condenser microphones — but without the need for batteries or external power supplies.

The response is tailored by a titanium laminated polymer diaphragm to give the PVM 80 that clear, natural tonality and "punch" certain to be appreciated by vocalists, sound engineers, and audience alike. In addition to the tonality, the titanium gives the 80 the advantage in extreme overload protection. This hot new combination of neodymium and titanium gives the 80 that sound quality you've been looking for in a dynamic with the output of a condenser.

The uniform hypercardioid directional pattern ensures freedom from feedback and minimizes "bleed" from other sources.

A low profile, slim-line design has been achieved for that "perfect feel" when used in hand-held applications.

The PVM 80 utilizes an integral dual section, acoustic foam filter to minimize wind noise and plosive vocal effects. An external foam windscreen is also supplied to provide an extra level of wind noise protection in extreme situations.

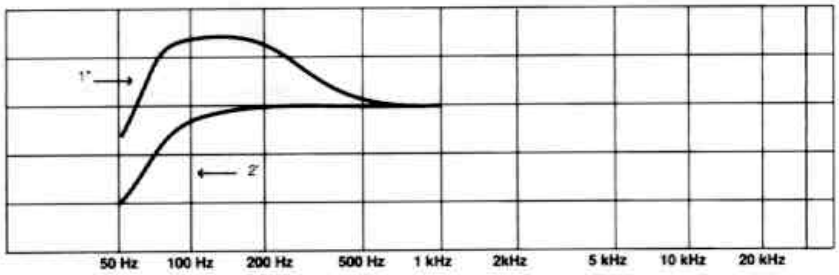
With the rugged roadworthiness of a top dynamic and the high output level of a condenser, the PVM 80 Neo-Dynamic microphone places the sound engineer at ease and keeps the vocalist out front.

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The microphone shall be a moving coil type with a frequency response of 50 Hz to 16 kHz. The microphone shall have a hypercardioid polar characteristic with a null rear response that averages 20 dB down. The microphone shall have an output power level of -48 dBm where 0 dB = 1 mW/10 microbar and a nominal impedance rating of 300 ohms.

The microphone shall have a nonreflecting, low gloss, black finish on an all metal housing with a brazed metal screen. The connector shall be a 3-pin XLR equivalent audio type. A swivel adaptor shall be provided for mounting to a stand having 5/8"-27 thread. The microphone shall have overall dimensions of 5-3/4" in length and 1-7/8" in diameter. The microphone shall be a Peavey model PVM™ 80 Neo-Dynamic or equivalent.

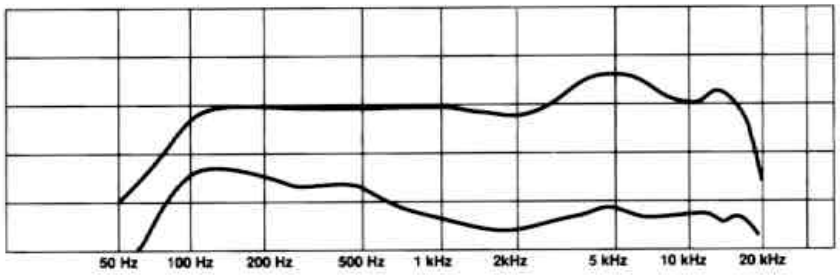
Impedance



Proximity Effect

Proximity effect is a naturally occuring phenomenon in unidirectional microphones. The effect is to accentuate or boost the low frequency response. This effect is a function of distance from the diaphragm to the source and increases as the diaphragm is moved closer to the source.

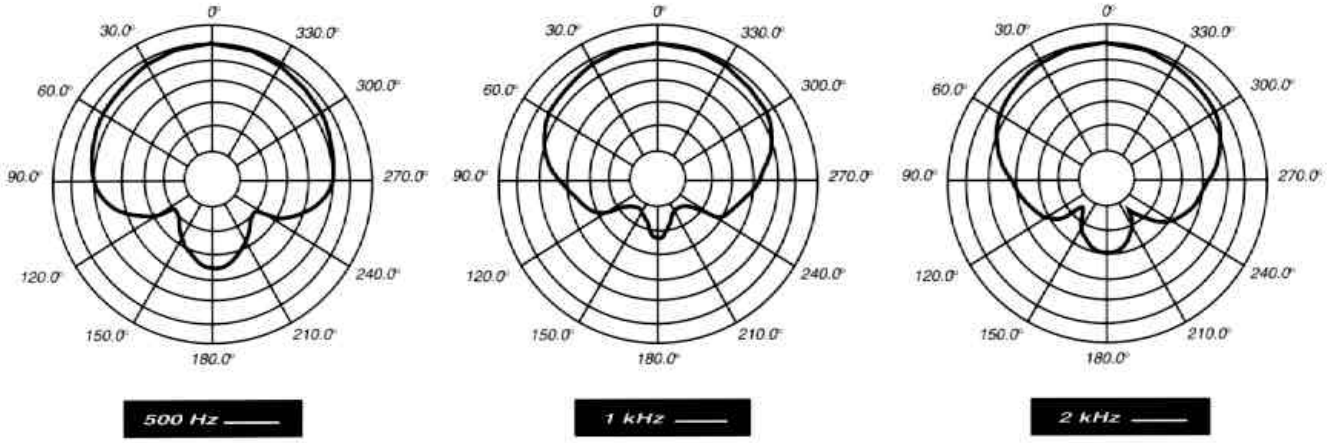
Frequency Response



0° & Null (Appr. 135°)

POLAR PATTERNS

5 dB per division



PEAVEY MICROPHONE LIMITED WARRANTY/REMEDY

PEAVEY ELECTRONICS CORPORATION ("Peavey") warrants this microphone to the original retail purchaser to be free from defects in material and workmanship for a period of one (1) year from date of purchase; provided, however, that the existence of this limited warranty is subject to the conditions, exclusions and limitations hereinafter set forth.

In case of a covered defect in material or workmanship, Peavey will repair or replace the microphone, at Peavey's option, provided that consumer:

(a) brings the defective microphone to any Peavey Authorized Dealer or Service Center and presents therewith a copy of the sales receipt or other proof of purchase. If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service, the consumer will be directed to the nearest other PEAVEY AUTHORIZED DEALER or SERVICE CENTER which can provide such service; or

(b) returns the defective microphone, shipping charges prepaid, to Peavey Electronics Corporation, 711 A Street, Meridian, Mississippi, and includes therewith a written description of the problem, a copy of the sales receipt or other proof of purchase and consumer's complete return address.

If the defect is remedial under this limited warranty and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the microphone and will return it, freight collect, to the consumer.

Under no circumstances will Peavey be liable for any lost profits, lost savings or other consequential or incidental damages arising out of the use or inability to use the product, even if Peavey had been advised of the possibility of such damages.

THIS LIMITED WARRANTY IS IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR USE; provided, however, that upon compliance with the other terms and conditions necessary to the existence of the express limited warranty, such implied warranties are not disclaimed during the applicable one year period from date of purchase of this product.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

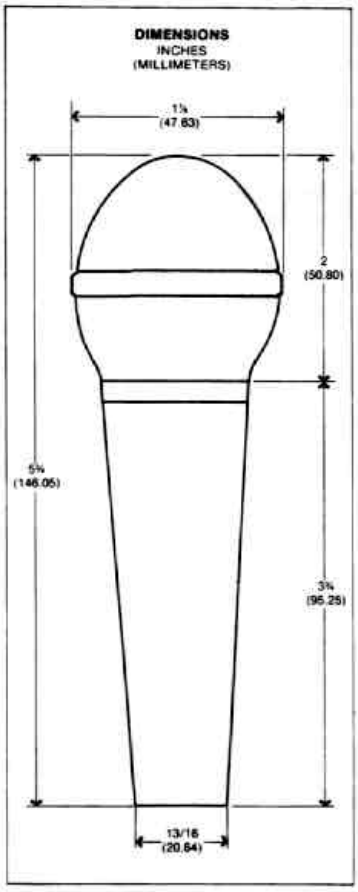
In the event any modification or disclaimer of express or implied warranties or any limitation of remedies contained herein conflicts with applicable law, then such modification, disclaimer or limitation as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

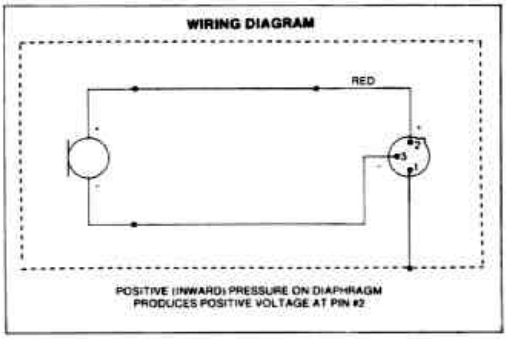
Peavey Electronics Corporation gives this limited warranty only with respect to Peavey microphones purchased in the United States of America. This limited warranty shall be void and of no effect if:

(a) first purchase of the product is for the purpose of resale; or

(b) the original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or

(c) the product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship.





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Features and specifications subject to change without notice.

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